

Application No. 10/650,388
Response to Office Action

Customer No. 01933

Listing of Claims:

1. (Currently Amended) A method of manufacturing an optical glass element, comprising:

preparing a mother glass having a cross-sectional shape substantially similar to a desired polygonal cross-sectional shape of said optical glass element; and

5 drawing said mother glass while heating said mother glass to a predetermined temperature such that said mother glass has a viscosity of 10³ to 10⁹ poise.

2. (Original) The method of claim 1, wherein said mother glass is drawn while heating to a predetermined temperature such that said mother glass has a viscosity of 10³ to 10⁹ poise.

3. (Original) The method of claim 1, wherein said optical glass element is made of BK7, and said predetermined temperature is 660 to 860°C.

4. (Original) The method of claim 1, wherein said optical glass element is made of BK7, and said predetermined temperature is 660 to 690°C.

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5. (Currently Amended) The method of claim 1, wherein the mother glass has a cross-sectional area that is 5 to 150 times that of the optical glass element to be obtained.

6. (Original) The method of claim 5, wherein the cross-sectional area of said mother glass is 10 to 100 times that of said optical glass element to be obtained.

Claim 7 (Canceled).

8. (Currently Amended) The method of claim [[7]] 1, wherein said optical glass element comprises a prism.

Claim 9 (Canceled).

10. (Currently Amended) The method of claim 1, wherein said mother glass is drawn by introducing a lower end part thereof into a heating furnace at a feed speed V0 and pulling said lower end part heated to said predetermined temperature downwards at a drawing speed V1, and wherein said drawing speed V1 ~~are is~~ set relative to said feed speed V0 so as to obtain a drawing speed ratio V1/V0 of 25 to 22,500.

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11. (Original) The method of claim 10, wherein said drawing speed ratio V_1/V_0 of said drawing speed V_1 to said feed speed V_0 is in a range of 100 to 10,000.

12. (Original) The method of claim 1, wherein said mother glass is made of a glass selected from the group consisting of BK7, Ultran, FK, PK, PSK, BaLK, ZK, BaK, SK, KF, BaLF, SSK, LaK, LLF, BaF, LF, F, BaSF, LaF, LaSF, SF, TiF, KZF and KZFS.